

FAA Western-Pacific Region  
4<sup>th</sup> Annual Airports Conference  
May 7, 2008

# Reno-Tahoe International Airport (RTIA) Emergency Operations Center Case Study



Reno-Tahoe  
Airport Authority

And  
up we  
go.

# Components

- Airport Communications Center (ACC)
- Emergency Operations Center (EOC)
- Mobile Command Vehicle (MCV)



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# The Idea

- Post 9-11 Driven
- Assessment of Current Condition
- Developing a Vision
- Available Facilities





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# Communicating the Vision

- Why Is It Necessary?
- How Will It Impact the Organization?
- What are the Benefits?
- What is the Scope of the Project?
- How Will the Project be Funded?

# Funding

- The total cost for the Airport Communications Center/Emergency Operations Center was \$4,572,364. This project was funded by a Federal Aviation Administration (FAA) Grant. The FAA paid 93.75% of the cost (\$4,286,592), and the Airport Authority paid \$285,772 in matching funds (6.25%).
- The total cost for the Mobile Command Vehicle (MCV) was \$524,182. The FAA paid 93.75% of the cost (\$491,421), and the Airport Authority paid \$32,761 in matching funds (6.25%).

# Design

- Request for Proposal (RFP)
- Develop Plans and Specifications
  - Construction
  - Technology
    - ACC/EOC/MCV

# Construction

- Construction Contract – Phase 1
- Technology Contract – Phase 2



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# The Move

- Phase 2 Contract – Switchover
  - Redundant Operation Where Possible
  - Core Switchover – One Night
  - 30-Day Burn-in

# The Human Factors

- Incorporated Employee Input Into Design
- Opportunity to Review and Comment
- Site Tours
- Employees Planned Office Move

# Current Uses – AirComm

- Public Safety Answering Point (PSAP)
- Answers Emergency Phone Calls from the Public
- Answers Emergency Calls from the Air Traffic Control Tower
- Monitors Fire Alarms
- Monitors Access Control System
- Operates and Monitors Closed Circuit Television System
- Dispatches Emergency and Routine Police and Fire Responses
- Dispatches Maintenance Responses
- Operates the National Crime Information Computer System
- Performs Public Address System Paging
- Manages 800 MHz Radio System



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# Current Use – EOC

- Emergency Management
- Large or Small Emergencies
- WebEOC



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# Current Uses -- MCV

- Incident Command Vehicle
- State-of-the-art communication system for telephone, internet and video recording
- Totally self-contained; has the ability to remain at an isolated location for weeks
- Three types of telephone capability: cell phone, land line or through PBX system
- 45-foot mast and camera with zoom capability and 360-degree sightlines
- Elevated lighting with 1 million candlepower illumination
- Hand-held camera system with the capability to transmit back to the Command Center
- GPS system



# Current Uses -- MCV

- Nine video monitors
- Automatic signal acquiring satellites for both television and internet access
- Reinforced platform on the roof with safety rails, electrical, and telephone connections
- Nine different workstations with phone, internet and electrical outlets for each location
- Separate zones for communications, incident command and general workstations
- Kitchenette with microwave, coffeemaker and sink
- Attached canopy for shade and cover from the elements







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